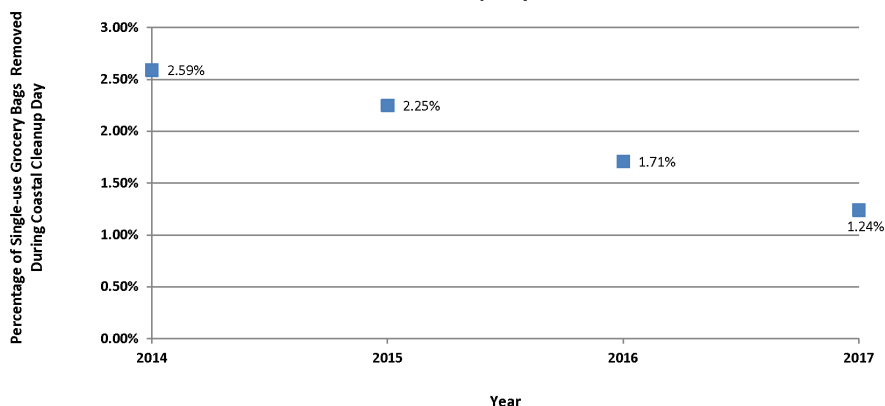


One Year In, California's Single-Use Plastic Bag Ban is Working

Author: Eben Schwartz, California Coastal Commission

The more we learn about the sources and impacts of plastic pollution, the worse the picture appears. Scientists estimate that an average of *18 billion pounds* of plastic enter the world's oceans each year. While scientists work to gain a better understanding of plastic's effects on the marine environment, California has begun to take steps to minimize plastics entering our oceans.

Single-Use Plastic Grocery Bags As A Percentage Of All Debris Picked Up On California Coastal Cleanup Day From 2014 To 2017



Single-use plastic grocery bags as a percentage of all debris picked up on CA Coastal Cleanup Day

Prepared by: California Coastal Commission and Ocean Conservancy



Single-use plastic is a threat to wildlife.

Photo: Peter Wallerstein

In 2007, San Francisco became the first city in the nation to pass a ban on single-use plastic bags. Cities across the state began to follow suit and in 2014 the legislature adopted a statewide ban. While that ban was put on hold for two years by a veto referendum, in 2016, the state voted to uphold the ban, and it was put into immediate effect.

By this point, there were enough local bans that we had already begun to see plastic bag litter drop across the state. As expected, the impact of the statewide ban took this even further. Single-use grocery bags have seen a steady drop in the percentage of total debris removed during each Coastal Cleanup Day since 2014. Now comprising less than 1.3% of the total debris removed, plastic grocery bags have fallen out of the "top ten" list completely (see chart above).

Continued on last page



Destination Series: **CORONADO: Island Paradise**

Ditch those sea legs for a variety of activities onshore in the City of Coronado! San Diego's own island paradise is known for the grand Victorian Hotel del Coronado yet captivates its visitors with its art, food, and outdoor adventure.

Upon your arrival, settle in at Coronado's Glorietta Bay Marina, a Clean Marina managed by California Yacht Marina. Its participation in the Clean Marina Certified program signifies dedication to controlling potential pollution sources such as fuel and oil, hull paint, boat maintenance debris, and trash. This environmentally-conscious marina is located steps away from beach resorts and hotel stays, perfect for some rest and relaxation.

Grab your clubs and head out to Coronado Golf Course, where you can learn to play, practice your skills, or host your own tournament. Bring the kids, ages 6 to 14, for various youth-gearred programs, too!

Itching to pick up the adventurous pace? You will find stand up paddleboards, kayaks, bicycles, sail and power boat rentals, as well as WaveRunner tours of the coastline.

Refuel with a brunch buffet or dinner cruise or stop in at one of the many restaurants on or near the water. Find casual and fine dining options at Coronado Ferry Landing, where you can also explore local foods at the Farmers Market, Tuesdays from 2:30 to 6:00 p.m.

Full of tasty food and eager to feed your brain and soul? Visit Coronado's Museum of History and Art or embark on a Tree Tour at Spreckels Park.

There is always the option to spread out a towel on the sand, soak in the sun, and stay for a stunning sunset. Water quality is monitored by the County of San Diego, so you can comfortably slather on some sunblock and enjoy a healthy dose of vitamin D along the Pacific Ocean.



One of many restaurants on the water

Photo: The Bay Foundation



"Imagine: Tent City" by Artist Todd Stands

Photo: The Bay Foundation

Contact private marinas directly with questions regarding pricing and availability of guest slips:

Glorietta Bay Marina 619.435.5203

Seaforth Boat Rentals 619.437.1514

Coronado Yacht Club 619.435.1848

For more information, visit <https://www.coronado.ca.us/>.

Honey Pot Day: *Discounted Mobile Pumpout Service*

Honey Pot Day is back in action this summer, educating recreational boaters about proper sewage waste disposal and offering participants a 30 percent discount for one mobile pumpout service. In its 10th consecutive year, the program is provided from June 1 to August 31, 2018 in four Southern California harbors: Marina del Rey, King Harbor, Port of Los Angeles, and Port of Long Beach.

Honey Pot Day's mission is to educate boaters on sewage to ultimately help reduce bacteria levels in local harbors. Dumping one toilet flush of untreated boat sewage can cause the same environmental impact as 10,000 flushes from a homeowner's toilet processed by a municipal sewage treatment plant! By offering a convenient and discounted service, boaters are empowered and incentivized to properly dispose of sewage and keep our local waters clean.

"Honey Pot Day is an invaluable asset for local boaters," said Anthony del Rosario, Dockmaster, California Yacht Marina Wilmington. "It empowers them to acknowledge the adverse impacts of improperly discharging sewage directly into the waters while serving as a catalyst that inspires stewardship. I've noticed a shift to embrace clean boating with my tenants who've participated in the program and couldn't be more thrilled about this."

HONEY POT DAY

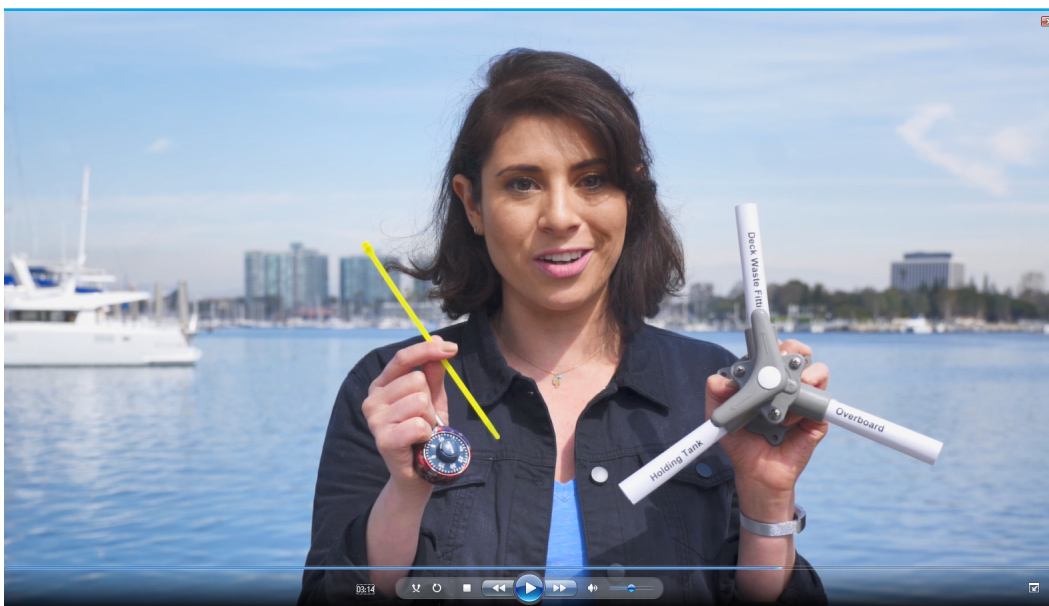
Redeem your discounted mobile pumpout service at www.honeypotday.org

Design: Yuju Yeo

To sign up for the program, boaters should visit www.honeypotday.org, which includes directions to view a short video on how to operate a sewage pumpout unit, read two brief publications, and take an online quiz. Once the quiz is completed, the participant will receive a coupon code redeemable with local partner mobile pumpout companies for 30 percent off.

The Honey Pot Day program is funded by the California State Parks Division of Boating and Waterways Clean Vessel Act Education Program and a Federal Clean Vessel Act grant through the Sport Fish Restoration Program. Federal Clean Vessel Act grants are funded by your purchases of fishing equipment and motorboat fuel.

Watch this NEW video to learn about Marine Sanitation Devices



Discharging sewage overboard can spread disease, harm aquatic life, impact nutrient levels in the water, and compromises our enjoyment of the water.

Properly disposing of boat sewage makes a difference in water quality and the marine environment that we all enjoy! Watch this video to learn the laws regarding your Marine Sanitation Device (MSD) and how to properly secure your Y-valve to prevent an accidental discharge.

Clickable link to video:
<https://youtu.be/Sdi4Nk1bzsg>

Delta Destination: ISLETON

Founded in 1874, Isleton is situated in the heart of the Sacramento-San Joaquin Delta, just over an hour northeast of San Francisco and an hour south of Sacramento. The town of about 800 sits nestled on a narrow two-lane levee road right on the Sacramento River. Scenic pear orchards and vineyards surround the charming town, once called 'the little Paris of the Delta.' Multiple marinas serve the area, making it a great spot to spend the day for a Delta weekend getaway.

Main Street runs parallel to the highway, and looks as if not much has changed over the last hundred or so years, much to the delight of history buffs and those looking for an interesting place to spend the afternoon. The town's architecture of wood, tin, and stucco is immediately striking, and most downtown buildings are on the National Park Service's National Register of Historic Places. Evidence of its Chinese and Japanese past can still be seen in the building facades and balconies, and many have been painstakingly restored.



Storefronts on Main Street, Isleton, California

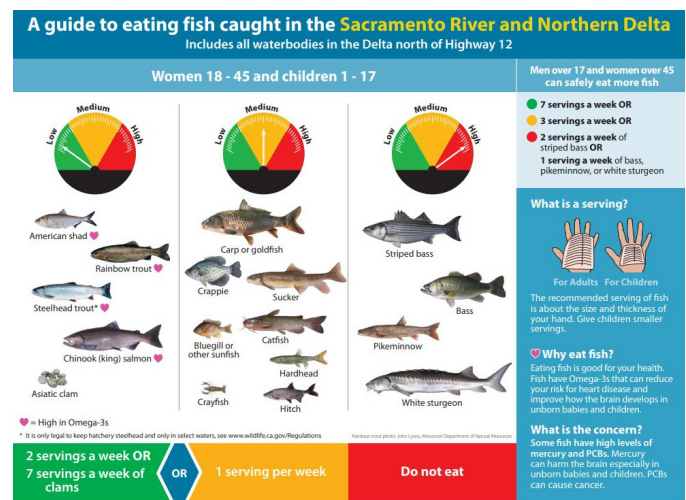
Photo: Isleton Chamber of Commerce

The town is no longer a spot for steamboat races or gambling halls, but boaters and other visitors can still take advantage of its small but scenic commercial district. Stay a night or two in town and explore the region's fishing and boating by day, and restaurants, art galleries, and historic buildings during an evening stroll. Whatever your activity of choice, Isleton's rich history is certainly not to be missed.

Delta Fish Consumption Guidelines

Fish are a great source of protein and omega-3 fats that benefit the heart, brain, and eyes. Many fish and shellfish, however, contain PCBs (potentially cancer-causing chemicals) and mercury taken in from the surrounding waters and sediment. Mercury levels in particular can build up to many thousands of times greater than the levels present in the surrounding water. Most ocean and freshwater fish contain some level of mercury, so all fish you eat should be considered when making choices about how much and how often it is eaten.

The California Office of Environmental Health Hazard Assessment (OEHHA) is responsible for providing fish consumption guidelines for sport fish in California. The agency developed safe eating guidelines for fish and shellfish in the Sacramento River and the Northern Delta, and for the Central and South Delta. "Safe Eating Guidelines" help people choose which fish are safest to eat and how often these fish should be eaten for the greatest health benefit.



Courtesy of OEHHA

Continued on next page

Delta Fish Consumption Guidelines

Continued from previous page

In the [Sacramento River and Northern Delta fish consumption guidelines](#), which includes all water bodies north of Highway 12, fish that have high mercury levels include striped bass, bass, pike minnow, and white sturgeon. Fish with lower mercury levels include American shad, rainbow trout, steelhead trout, Chinook salmon, and Asiatic clams.

[Safe fish guidelines for the Central and South Delta](#), south of Highway 12, indicate striped bass and white sturgeon have high mercury levels; and American shad, crayfish, catfish, bluegill or other sunfish, steelhead trout, and Asiatic clams all have low mercury levels. No fish or shellfish should be eaten from the Port of Stockton.

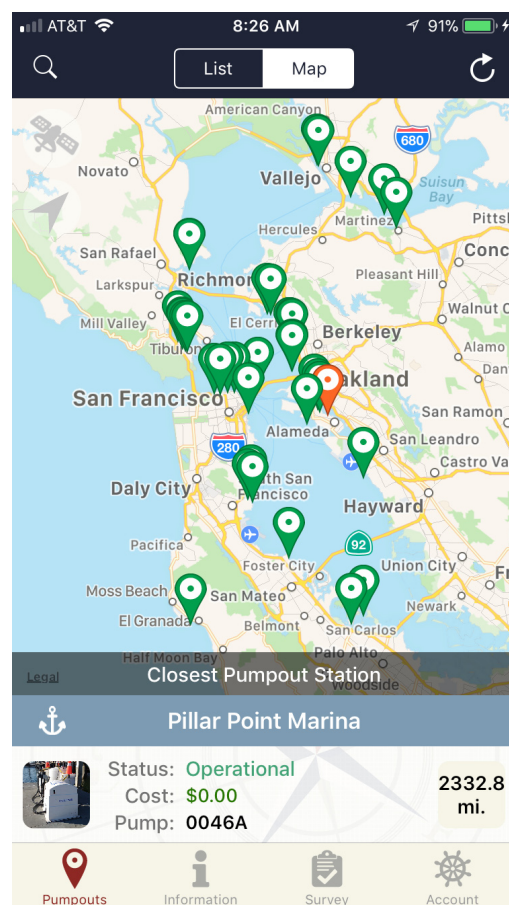
Make sure to check with the [California Department of Fish and Wildlife Regulations](#) for prohibitions, legal sizes, limits, and seasons. OEHA periodically updates safe eating guidelines for lakes and reservoirs throughout the state, as well as fish that migrate up rivers from the sea. Information on all OEHA's safe eating guidelines can be found [here](#). Understanding which fish and the amounts to eat can help protect your health and provide the greatest benefits, while still fishing the waters you love.

Pumpout Nav Updates - *The App That Finds Pumpouts*

Pumpout Nav is California's clean boating mobile app that conveniently allows recreational boaters to locate their nearest sewage pumpout, access information on how to pump out, and spells out the rules and regulations. The app plays a major role for both boaters and the state's clean boating outreach and education efforts. It provides a user-friendly display of pollution prevention information, real-time pumpout maps within Northern and Southern California, and the ability for users to flag a pumpout as inoperable to the marina and state managers for a quick and efficient response.

New updates to the app will allow users to build out their boating profiles by adding favorite pumpouts, using a pumpout log to track activity, and setting up reminders to manage their marine sanitation devices over time. Graphic updates will include a tutorial on how to use the app, updated pollution prevention information, and overall enhancements to improve the user experience. New updates will also allow boaters in other states to access relevant boating laws and regulations in their area and to find nearby pumpouts. New states will gradually begin signing on to display their marinas on the app beginning in summer 2018. Upload the latest version today on your iOS and Android devices!

This app was developed by the San Francisco Estuary Partnership in partnership with The Bay Foundation and is funded by the California State Parks Division of Boating and Waterways Clean Vessel Act Education Program and a Federal Clean Vessel Act grant through the Sport Fish Restoration Program. Federal Clean Vessel Act grants are funded by your purchases of fishing equipment and motorboat fuel.



Use Pumpout Nav to find your nearest pumpout!

Photo: San Francisco Estuary Partnership

Destination Series:

VISIT SANTA CRUZ HARBOR

Author: Don Kinnamon, Santa Cruz Port District

Welcome to the Santa Cruz Small Craft Harbor, located 70 miles south of San Francisco and 35 miles north of Monterey in the City of Santa Cruz.

Santa Cruz boasts some of California's best beaches along with 29 miles of coastline, redwood-covered mountains, laid-back towns, and local farms. The area's beach boardwalk, museums, art galleries, and numerous local events create boundless activities for residents and visitors throughout the year.

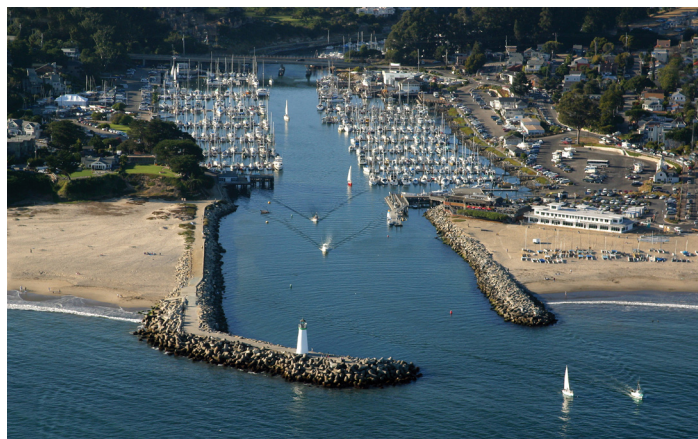
Local boaters, commercial fishermen, businessmen, and residents had sought the construction of a harbor in Santa Cruz County since before the turn of the century. The Santa Cruz Port District was formed in 1951 to construct and operate Santa Cruz Harbor. The harbor was constructed in 1964, and expanded in 1973.

This site provides permanent moorage for approximately 1,200 wet-berthed and 275 dry-stored vessels for recreational, commercial, and research opportunities. Additionally, the harbor provides a launching facility and secure storage for kayaks, rowing shells, paddleboards, and trailerable vessels.



Vessels at the entrance of Santa Cruz Harbor

Photo: G. Ramirez



Santa Cruz Harbor Aerial View

Photo: Santa Cruz Port District

For coastal mariners, the harbor is maintained as a year-round harbor of safe refuge coupled with visitor berthing. The harbor also offers RV camping, a public beach, and scenic walking trails. Numerous charter operations provide fishing, whale watching, cruising, kayaking, paddleboarding, and sailing instruction opportunities. The harbor is home to five restaurants, and more than 30 other smaller businesses operate directly from harbor property.

The Port District provides for nearly all its own services including maintenance, dredging, security, financial, and administrative functions. Harbor Patrol assists the Coast Guard and local agencies in year-round emergency ocean rescue and law enforcement services. Over the harbor's 50+-year history, it has experienced and recovered from natural disasters including earthquakes, damaging storm events and shoaling, tsunamis, and fish kills.

Santa Cruz Harbor offers boaters numerous resources including a public fuel pier, boatyard, marine supply store, and a variety of pollution prevention services, such as used oil collection, oil absorbents distribution and collection, a public sewage pumpout, and fishing line recycling stations. As a Certified Clean Facility of the Clean Marina Program, the harbor actively promotes clean boating practices to help prevent pollutants from entering the Monterey Bay National Marine Sanctuary and beyond as part of the California Dock-walker Program.

For more information, visit www.santacruzharbor.org.

Get to Know California's Marine Protected Areas

Author: California Marine Sanctuary Foundation

California leads the nation in ocean protection with the first statewide network of marine protected areas (MPAs), safeguarding 16 percent of California's waters! These MPAs provide a series of refuges for ocean creatures to recover and thrive and give residents and tourists places to fish, dive, surf, and enjoy the benefits of a healthy coastal community.

In close collaboration with the California Department of Fish and Wildlife and the Ocean Protection Council and countless partners throughout the state, the California Marine Sanctuary Foundation has been implementing an education and outreach initiative to develop a variety of resources to assist in educating people about MPAs.



Sunset along the MacKerricher State Marine Conservation Area

Photo: Jennifer Cachola

Please visit: www.CaliforniaMPAs.org and www.SeabirdProtectionNetwork.org to learn more.

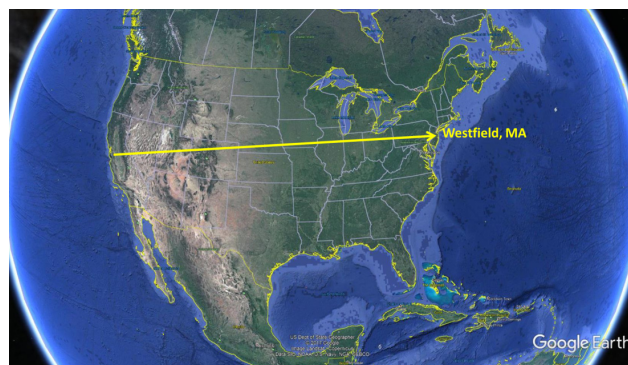
Recycling Fishing Line is Easy

Fishing line is not biodegradable and when left in the environment, may pose a serious hazard to wildlife, which can become entangled and suffer severe injury such as loss of limbs or even death from gangrenous infection or strangulation. Fishing line discarded in our waterways is a safety issue due to the risk of fouling boat propellers, and it is also a serious problem around boat ramps and fishing areas. Even when we dispose the line in trash bins it still goes to a landfill which can create the same hazards for wildlife.

One solution is to have recycling containers available to properly discard of used line. The California Division of Boating and Waterways and the California Coastal Commission's Boating Clean and Green Program and the BoatUS Foundation have placed 243 fishing line recycling containers at [many locations throughout the State](#).

If you are not near any of these recycling locations, please mail your used fishing line to Berkley Recycling Collection Center at 1900 18th Street, Spirit Lake, Iowa 51360-1099.

To date, 1,480 pounds of fishing line have been collected and recycled. Stretched out, this line would reach from San Francisco to Westfield, Massachusetts!



1,480 pounds of fishing line would stretch from San Francisco to Westfield, Massachusetts!

Is your boating facility interested in helping reducing fishing line in our waterways? It is easy! Volunteer to build and maintain a fishing recycling station at a fishing spot near you, such as a boat launch ramp, pier, or park. Check our [construction guidelines](#). We can send you the stickers for your station and the UPS postage paid box to accumulate the recycled line.

For more information about this program, call or email Vivian Matuk at (415) 904-6905; vmatuk@coastal.ca.gov.



One Year In, California's Single-Use Plastic Bag Ban is Working

Continued from front cover page

While the ban on single-use plastic bags in California is working, bans are not necessarily the only answer to the challenge of plastic pollution. Different management measures may be appropriate for different types of debris. For example, an effort currently underway to encourage restaurants to not give out plastic straws unless requested by the customer has been showing positive results, and the California State Legislature is considering a measure to make this mandatory for all eat-in restaurants.

There are many ways in which you can be part of the solution to plastic pollution. Switching from single-use plastic items, which still make up eight of the top ten items collect each year during beach cleanups, is an easy and sustainable way to reduce the amount of plastic used and discarded (and therefore given the chance to become marine debris). Join us for the next [California Coastal Cleanup Day](#) on September 15, 2018 to protect our coast and ocean.

Little Things That Matter: Use Oil Absorbents and Don't Pump Oily Bilge Water Overboard

Using oil absorbents is the least expensive method boaters can employ to control oily discharges. Oil absorbents (available at most marine supply stores) absorb oil while repelling water and come in many shapes and sizes.

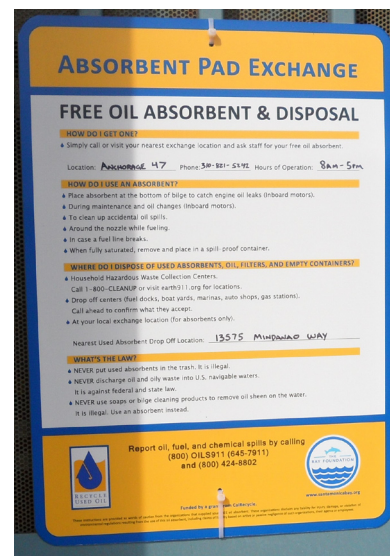
Use oil absorbent sheets, commonly known as "diapers", under the engine, in the bilge, and to remove oil sheen on the water. These absorbents can also be used while fueling your boat or when filling a portable tank. Absorbent socks or pillows are designed for use in deeper bilge compartments.

If you have an extremely oily bilge, consider using a [bilge pumpout](#) that properly disposes of the wastewater. **Don't use sewage pumpouts to remove oily bilge water!** This will ruin the sewage pumpout.

If the bilge or engine compartment still needs significant cleaning after a bilge pumpout, use a steam cleaning service.

In California, saturated absorbents are presumed to be hazardous waste; **do not throw saturated absorbents in the garbage**. Proper disposal options include:

1. Oil Absorbent Exchange Centers: Some marinas and fuel docks actively distribute and collect oil absorbents for free. Ask your marina operator about local resources for disposal.
2. Bring your used oil absorbents to your [local county household hazardous waste collection center](#).



**Absorbent Pad Exchange
in Marina del Rey**

Photo: The Bay Foundation

For more information, watch our [oil pollution prevention video](#).

CHANGING TIDE STAFF

SOUTHERN CALIFORNIA
The Bay Foundation
www.santamonicabay.org
Victoria Gambale
vgambale@santamonicabay.org
(888) 301-2527

CALIFORNIA DELTA
San Francisco Estuary Partnership
www.sfestuary.org
Natasha Dunn
natasha.dunn@sfestuary.org
(415) 778-6687

NORTHERN CALIFORNIA
California State Parks Division
of Boating and Waterways,
California Coastal Commission
www.BoatingCleanandGreen.com
Vivian Matuk
vmatuk@coastal.ca.gov
(415) 904-6905